

In the Claims

1. (Currently Amended) An engine driven welder-type device comprising:
an engine;
a mechanical to electrical power converter connected to the engine and configured to generate a power signal suitable for welding processes; and
an accessory outlet having a generally uniform power output from engine idle speed through high speed operation of the engine; and
a battery electrically coupled to the accessory outlet.
2. (Original) The engine driven welder-type device of claim 1 further comprising an accessory connected to the accessory outlet, the accessory operable at all engine speeds.
3. (Original) The engine driven welder-type device of claim 2 wherein the accessory includes at least one of a light array, a saw, a grinder, and a drill.
4. (Original) The engine driven welder-type device of claim 3 wherein the light array further comprises at least one of a plurality of LEDs, a halogen light bulb, and a fluorescent light bulb.
5. (Original) The engine driven welder-type device of claim 1 wherein the generally uniform power output is one of a DC signal and an AC signal, the AC signal having a frequency of approximately 60 Hz.
6. (Original) The engine driven welder-type device of claim 1 further comprising at least one of a rectifier and an inverter connected between the power converter and the accessory outlet.
7. (Original) The engine driven welder-type device of claim 6 wherein the power converter further comprises a first winding configured to generate the power signal suitable for welding and a second winding configured to generate the accessory outlet generally uniform power output.

8. (Currently Amended) The engine driven welder-type device of claim 1 further comprising ~~a battery electrically coupled to the accessory outlet and at least one of~~ an alternator connected to the engine and the power converter.

9. (Original) The engine driven welder-type device of claim 1 further comprising a torch electrically connectable to the power converter.

10. (Currently Amended) An engine driven welder/generator assembly comprising:
an engine;
a power converter connected to the engine and configured to generate sufficient electrical power suitable for welding; and
a power conditioner configured to provide a generally uniform DC power signal independent of engine speed; and
an outlet connected to the power conditioner and configured to supply the generally uniform DC power signal.

11. (Original) The engine driven welder/generator assembly of claim 10 wherein the power conditioner is at least one of a battery, an inverter, and a rectifier.

12. (Original) The engine driven welder/generator assembly of claim 11 wherein a battery is powered by at least one of an alternator attached to the engine and the power converter.

13. (Original) The engine driven welder/generator assembly of claim 10 wherein the power conditioner is powered by at least one of the engine and the power converter.

14. (Canceled)

15. (Original) The engine driven welder/generator assembly of claim 10 further comprising a battery connected to start the engine and wherein the power converter further comprises a generator having a first winding configured to generate the electrical power suitable for welding and a second winding configured to maintain a charge on the battery.

16. (Currently Amended) The engine driven welder/generator assembly of claim 15 further comprising an accessory output powered by the first winding and wherein the outlet is another accessory output powered by the second winding.

17. (Currently Amended) The engine driven welder/generator assembly of claim 10 wherein the ~~power conditioner includes an outlet having generally uniform DC power signal has~~ sufficient power output to operate at least one of a job site light, a saw, a drill, and a grinder.

18. (Currently Amended) A method of powering an accessory comprising the steps of:

generating an electrical power signal from an engine driven welder/generator assembly;

generating a weld power from the electrical power signal;

charging a battery from the electrical power signal; and

connecting the battery to output generating a relatively uniform auxiliary power signal across variable engine speeds.

19. (Canceled)

20. (Original) The method of claim 18 further comprising the step of converting a first portion of the electrical power signal into a weld power and converting a second portion of the electrical power signal into the relatively uniform auxiliary power signal.

21. (Original) The method of claim 20 wherein the step of converting a second portion of the electrical power further comprises at least one of rectifying and inverting the electrical power signal.

22. (Currently Amended) The method of claim 18 wherein ~~the step of generating a relatively uniform auxiliary power signal connecting the battery to output the relatively uniform power signal~~ further comprises conditioning the relatively uniform power signal to delivering at least one of a relatively constant voltage ~~and a relatively constant frequency~~ to an auxiliary outlet.

23. (Original) The method of claim 18 further comprising generating another relatively uniform auxiliary power signal at weld power generating engine speeds.

24. (Original) The method of claim 23 further comprising delivering a second relatively uniform auxiliary power signal.

25. (Original) The method of claim 18 further comprising powering an auxiliary device with the relatively uniform auxiliary power signal.

26. (Original) The method of claim 18 further comprising illuminating a worksite with the relatively uniform auxiliary power signal independent of engine speed.

27. (Currently Amended) A welding-type apparatus comprising:
an engine constructed to generate mechanical power;
means for converting the mechanical power to electrical power suitable for welding applications; and
means for providing a relatively constant power signal independent of engine operating speed; and
means for storing energy generated by the engine and powering the constant power signal means.

28. (Canceled)

29. (Original) The welding-type apparatus of claim 28 wherein the converting means further comprises means for generating electrical power suitable for powering accessories during above idle engine operating speeds.

30. (Original) The welding-type apparatus of claim 27 further comprising means for illuminating a work area powered by the relatively constant power signal means.

31. (Original) The apparatus of claim 27 wherein the means for illuminating a work area is at least one of a plurality of light emitting diodes, a fluorescent light, and a halogen light.